

1 Claims

3 What is claims is:

5 1. A method of managing time division duplexing across plural channels,
6 comprising the step of:

7 synchronizing frames across the plural channels so that upstream frames and
8 downstream frames coincide across the plural channels.

10 2. A method as in claim 1, further comprising the step of assigning one channel to
11 each of plural consumer provided equipment, wherein each consumer provided equipment
12 receives media access protocol messages on its assigned channel.

14 3. A method as in claim 2, wherein a base station controller generates the media
15 access protocol messages, and wherein the media access protocol messages instruct the consumer
16 provided equipment to switch channels so as to receive data bursts.

18 4. A method as in claim 3, wherein the base station controller includes a
19 centralized scheduler that allocates channels and slots in those channels to the consumer
20 provided equipment for receipt of the data bursts.

22 5. A method of receiving time division duplexed messages, comprising the step
23 of:

24 switching channels based on received media access protocol messages so as to
25 receive data bursts on plural channels.

1 6. A base station that manages time division duplexing across plural channels,
2 comprising:
3 an input/output interface;
4 a transceiver; and
5 a controller that synchronizes frames across the plural channels so that upstream
6 frames and downstream frames coincide across the plural channels.

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8 7. A base station as in claim 6, wherein the controller further assigns one channel
9 to each of plural consumer provided equipment, wherein each consumer provided equipment
10 receives media access protocol messages on its assigned channel.

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12 8. A base station as in claim 7, wherein the controller generates the media access
13 protocol messages, and wherein the media access protocol messages instruct the consumer
14 provided equipment to switch channels so as to receive data bursts.

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16 9. A base station as in claim 8, wherein the controller further comprises a
17 centralized scheduler that allocates channels and slots in those channels to the consumer
18 provided equipment for receipt of the data bursts.

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20 10. Consumer provided equipment the receives time division duplexed messages,
21 comprising:
22 a transceiver that can dynamically switch between plural channels; and
23 a controller for controlling the transceiver, wherein based on received media
24 access protocol messages, the consumer provided equipment switches channels so as to receive
25 data bursts on plural channels.

1 11. A memory storing information including instructions, the instructions
2 executable by a processor to manage time division duplexing across plural channels, the
3 instructions comprising:

4 synchronizing frames across the plural channels so that upstream frames and
5 downstream frames coincide across the plural channels.

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7 12. A memory as in claim 11, wherein the instructions further comprise assigning
8 one channel to each of plural consumer provided equipment, wherein each consumer provided
9 equipment receives media access protocol messages on its assigned channel.

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13 13. A memory as in claim 12, wherein the instruction further comprise generating
14 the media access protocol messages, and wherein the media access protocol messages instruct the
15 consumer provided equipment to switch channels so as to receive data bursts.

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18 14. A memory as in claim 13, wherein the instructions further comprise allocating
19 slots in the channels to the consumer provided equipment for receipt of the data bursts.

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22 15. A memory storing information including instructions, the instructions
23 executable by a processor to receive time division duplexed messages, the instructions
24 comprising:

25 switching channels based on received media access protocol messages so as to
26 receive data bursts on plural channels.

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28 16. An apparatus for managing time division duplexing across plural channels,
29 comprising:

30 means for synchronizing frames across the plural channels so that upstream

1 frames and downstream frames coincide across the plural channels.

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3 17. An apparatus for receiving time division duplexed messages, comprising:
4 means for switching channels based on received media access protocol messages
5 so as to receive data bursts on plural channels.

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